

Lea M Starita

List of Publications by Year in descending order

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Version: 2024-02-01

59
papers

6,286
citations

136950

32
h-index

144013

57
g-index

80
all docs

80
docs citations

80
times ranked

10110
citing authors

#	ARTICLE	IF	CITATIONS
1	Network modeling links breast cancer susceptibility and centrosome dysfunction. <i>Nature Genetics</i> , 2007, 39, 1338-1349.	21.4	602
2	Accurate classification of BRCA1 variants with saturation genome editing. <i>Nature</i> , 2018, 562, 217-222.	27.8	570
3	Global analysis of phosphorylation and ubiquitylation cross-talk in protein degradation. <i>Nature Methods</i> , 2013, 10, 676-682.	19.0	520
4	Multiplex assessment of protein variant abundance by massively parallel sequencing. <i>Nature Genetics</i> , 2018, 50, 874-882.	21.4	323
5	Recommendations for application of the functional evidence PS3/BS3 criterion using the ACMG/AMP sequence variant interpretation framework. <i>Genome Medicine</i> , 2020, 12, 3.	8.2	312
6	BRCA1-Dependent Ubiquitination of β -Tubulin Regulates Centrosome Number. <i>Molecular and Cellular Biology</i> , 2004, 24, 8457-8466.	2.3	281
7	Variant Interpretation: Functional Assays to the Rescue. <i>American Journal of Human Genetics</i> , 2017, 101, 315-325.	6.2	275
8	Massively Parallel Functional Analysis of BRCA1 RING Domain Variants. <i>Genetics</i> , 2015, 200, 413-422.	2.9	272
9	Genomic surveillance reveals multiple introductions of SARS-CoV-2 into Northern California. <i>Science</i> , 2020, 369, 582-587.	12.6	253
10	Cryptic transmission of SARS-CoV-2 in Washington state. <i>Science</i> , 2020, 370, 571-575.	12.6	217
11	The multiple nuclear functions of BRCA1: transcription, ubiquitination and DNA repair. <i>Current Opinion in Cell Biology</i> , 2003, 15, 345-350.	5.4	212
12	On the design of CRISPR-based single-cell molecular screens. <i>Nature Methods</i> , 2018, 15, 271-274.	19.0	170
13	Activity-enhancing mutations in an E3 ubiquitin ligase identified by high-throughput mutagenesis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, E1263-72.	7.1	158
14	Massively parallel single-amino-acid mutagenesis. <i>Nature Methods</i> , 2015, 12, 203-206.	19.0	153
15	MaveDB: an open-source platform to distribute and interpret data from multiplexed assays of variant effect. <i>Genome Biology</i> , 2019, 20, 223.	8.8	130
16	BRCA1/BARD1 Ubiquitinate Phosphorylated RNA Polymerase II. <i>Journal of Biological Chemistry</i> , 2005, 280, 24498-24505.	3.4	126
17	The power of multiplexed functional analysis of genetic variants. <i>Nature Protocols</i> , 2016, 11, 1782-1787.	12.0	115
18	Centrosomal Microtubule Nucleation Activity Is Inhibited by BRCA1-Dependent Ubiquitination. <i>Molecular and Cellular Biology</i> , 2005, 25, 8656-8668.	2.3	112

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19	Bedside Back to Bench: Building Bridges between Basic and Clinical Genomic Research. <i>Cell</i> , 2017, 169, 6-12.	28.9	103
20	A Multiplex Homology-Directed DNA Repair Assay Reveals the Impact of More Than 1,000 BRCA1 Missense Substitution Variants on Protein Function. <i>American Journal of Human Genetics</i> , 2018, 103, 498-508.	6.2	99
21	Overexpression of a protein fragment of RNA helicase A causes inhibition of endogenous BRCA1 function and defects in ploidy and cytokinesis in mammary epithelial cells. <i>Oncogene</i> , 2003, 22, 983-991.	5.9	98
22	Early Detection of Covid-19 through a Citywide Pandemic Surveillance Platform. <i>New England Journal of Medicine</i> , 2020, 383, 185-187.	27.0	97
23	Comparison of Symptoms and RNA Levels in Children and Adults With SARS-CoV-2 Infection in the Community Setting. <i>JAMA Pediatrics</i> , 2021, 175, e212025.	6.2	80
24	Mutations in Elongation Factor 1 β , a Guanine Nucleotide Exchange Factor, Enhance Translational Fidelity. <i>Molecular and Cellular Biology</i> , 1999, 19, 5257-5266.	2.3	69
25	Characteristics of COVID-19 in Homeless Shelters. <i>Annals of Internal Medicine</i> , 2021, 174, 42-49.	3.9	62
26	Identification of Domains of BRCA1 Critical for the Ubiquitin-Dependent Inhibition of Centrosome Function. <i>Cancer Research</i> , 2006, 66, 4100-4107.	0.9	58
27	Viral genomes reveal patterns of the SARS-CoV-2 outbreak in Washington State. <i>Science Translational Medicine</i> , 2021, 13, .	12.4	58
28	BRCA1 DNA-Binding Activity Is Stimulated by BARD1. <i>Cancer Research</i> , 2006, 66, 2012-2018.	0.9	50
29	Recommendations for the collection and use of multiplexed functional data for clinical variant interpretation. <i>Genome Medicine</i> , 2019, 11, 85.	8.2	47
30	Sites of ubiquitin attachment in <i>Saccharomyces cerevisiae</i> . <i>Proteomics</i> , 2012, 12, 236-240.	2.2	43
31	Closing the gap: Systematic integration of multiplexed functional data resolves variants of uncertain significance in BRCA1, TP53, and PTEN. <i>American Journal of Human Genetics</i> , 2021, 108, 2248-2258.	6.2	42
32	Substrates of the BRCA1-dependent ubiquitin ligase. <i>Cancer Biology and Therapy</i> , 2006, 5, 137-141.	3.4	39
33	Multiplexed Functional Assessment of Genetic Variants in CARD11. <i>American Journal of Human Genetics</i> , 2020, 107, 1029-1043.	6.2	38
34	Associations Between Severe Acute Respiratory Syndrome Coronavirus 2 (SARS-CoV-2) Variants and Risk of Coronavirus Disease 2019 (COVID-19) Hospitalization Among Confirmed Cases in Washington State: A Retrospective Cohort Study. <i>Clinical Infectious Diseases</i> , 2022, 75, e536-e544.	5.8	38
35	Harmony COVID-19: A ready-to-use kit, low-cost detector, and smartphone app for point-of-care SARS-CoV-2 RNA detection. <i>Science Advances</i> , 2021, 7, eabj1281.	10.3	35
36	Simpler and faster Covid-19 testing: Strategies to streamline SARS-CoV-2 molecular assays. <i>EBioMedicine</i> , 2021, 64, 103236.	6.1	28

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37	Functional Analysis of BARD1 Missense Variants in Homology-Directed Repair of DNA Double Strand Breaks. <i>Human Mutation</i> , 2015, 36, 1205-1214.	2.5	27
38	Deep Mutational Scanning: A Highly Parallel Method to Measure the Effects of Mutation on Protein Function. <i>Cold Spring Harbor Protocols</i> , 2015, 2015, pdb.top077503.	0.3	26
39	The Seattle Flu Study: a multiarm community-based prospective study protocol for assessing influenza prevalence, transmission and genomic epidemiology. <i>BMJ Open</i> , 2020, 10, e037295.	1.9	25
40	SwabExpress: An End-to-End Protocol for Extraction-Free COVID-19 Testing. <i>Clinical Chemistry</i> , 2021, 68, 143-152.	3.2	24
41	Evaluating Specimen Quality and Results from a Community-Wide, Home-Based Respiratory Surveillance Study. <i>Journal of Clinical Microbiology</i> , 2021, 59, .	3.9	17
42	Remote Household Observation for Noninfluenza Respiratory Viral Illness. <i>Clinical Infectious Diseases</i> , 2021, 73, e4411-e4418.	5.8	17
43	Unique Classes of Mutations in the <i>Saccharomyces cerevisiae</i> G-Protein Translation Elongation Factor 1A Suppress the Requirement for Guanine Nucleotide Exchange. <i>Genetics</i> , 2006, 174, 651-663.	2.9	13
44	SARS-CoV-2 Epidemiology on a Public University Campus in Washington State. <i>Open Forum Infectious Diseases</i> , 2021, 8, ofab464.	0.9	12
45	Multiplex Target-Redundant RT-LAMP for Robust Detection of SARS-CoV-2 Using Fluorescent Universal Displacement Probes. <i>Microbiology Spectrum</i> , 2022, 10, .	3.0	12
46	Cross-Sectional Prevalence of SARS-CoV-2 Among Skilled Nursing Facility Employees and Residents Across Facilities in Seattle. <i>Journal of General Internal Medicine</i> , 2020, 35, 3302-3307.	2.6	11
47	LB21. The Seattle Flu Study: A Community-Based Study of Influenza. <i>Open Forum Infectious Diseases</i> , 2019, 6, S1002-S1002.	0.9	8
48	Multimodal single-cell analysis reveals distinct radioresistant stem-like and progenitor cell populations in murine glioma. <i>Glia</i> , 2020, 68, 2486-2502.	4.9	8
49	Incidence of Medically Attended Acute Respiratory Illnesses Due to Respiratory Viruses Across the Life Course During the 2018/19 Influenza Season. <i>Clinical Infectious Diseases</i> , 2021, 73, 802-807.	5.8	8
50	Highly Sensitive Immuno-resistive Sensor for Point-Of-Care Screening for COVID-19. <i>Biosensors</i> , 2022, 12, 149.	4.7	8
51	The functional impact of BRCA1 BRCT domain variants using multiplexed DNA double-strand break repair assays. <i>American Journal of Human Genetics</i> , 2022, 109, 618-630.	6.2	8
52	Point-of-care molecular testing and antiviral treatment of influenza in residents of homeless shelters in Seattle, WA: study protocol for a stepped-wedge cluster-randomized controlled trial. <i>Trials</i> , 2020, 21, 956.	1.6	7
53	A remote household-based approach to influenza self-testing and antiviral treatment. <i>Influenza and Other Respiratory Viruses</i> , 2021, 15, 469-477.	3.4	7
54	The Clinical and Genomic Epidemiology of Rhinovirus in Homeless Shelters—King County, Washington. <i>Journal of Infectious Diseases</i> , 2022, 226, S304-S314.	4.0	6

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55	Diagnostic Accuracy of an At-Home, Rapid Self-test for Influenza: Prospective Comparative Accuracy Study. <i>JMIR Public Health and Surveillance</i> , 2022, 8, e28268.	2.6	5
56	The Seattle Flu Study: when regulations hinder pandemic surveillance. <i>Nature Medicine</i> , 2022, 28, 7-8.	30.7	3
57	Antibacterial potency of type VI amidase effector toxins is dependent on substrate topology and cellular context. <i>ELife</i> , 0, 11, .	6.0	3
58	Comparable Specimen Collection from Both Ends of At-Home Midturbinate Swabs. <i>Journal of Clinical Microbiology</i> , 2021, 59, .	3.9	2
59	Simultaneous monitoring of HIV viral load and screening of SARS- CoV-2 employing a low-cost RT-qPCR test workflow. <i>Analyst</i> , The, 0, , .	3.5	1